

## **AMENDMENTS TO THE SPECIFICATION**

**Please replace paragraph [0009] with the following amended paragraph:**

[0009] Upon receiving the message, if the instance instead determines that it is in recovery mode, then the instance evaluates whether or not the message is a normal message suitable for normal operation mode, or a recovery message suitable for recovery operation mode. If the message is a normal message, then the message is placed in a persistent queue for later processing. The instance may then optionally ~~optionally~~ perform further processing towards completing recovery such as, for example, sending a recovery message to another computing system. In the inter-message persistence embodiment, the state information may then be saved to persistent memory.

**Please replace paragraph [0044] with the following amended paragraph:**

[0044] Upon receiving a subsequent message (returning to act 301), the state information is once again loaded from persistent media to system memory (act 302). The instance is still in recovery mode (the Yes branch in decision block 303). If the message is a normal message (the No branch in decision block 311), then this message is queued as well. However, if the message is a recovery message (the Yes branch in decision block 311), the recovery message is processed (act 312). If this processing completes recovery of the instance governing the particular message transaction (the Yes branch in decision block 313), then the state information for the message transaction is set to reflect normal mode operation (act 314). The queued normal messages that were received while in recovery mode may then be processed (act 315) since the state information for that message transaction is once again reliable. The state information may then be saved to persistent media (act 316). If the processing does not ~~results~~ result in recovery, the instance may send an optional recovery message to another computing system to properly resolve the recovery (act 318). A recovery message may also optionally be sent (act 318) after queuing the normal messages (act 317).



**Please replace paragraph [0046] with the following amended paragraph:**

**[0046]** Figure 4 illustrates a method 400 for indicating whether or not an application instance is in recovery mode. This method may be performed by, for example, by the recovery detection component 201. This method 400 is just one of many ~~[[ways-]]~~ways of detecting whether or not an instance should be suspicious about whether or not it is running normally.